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Union list of mathematical periodicals.

DEPARTMENT OF THE INTERIOR
BUREAU OF EDUCATION

BULLETIN, 1918, No. 9

UNION LIST
OF
MATHEMATICAL PERIODICALS

By
DAVID EUGENE SMITH
LIBRARIAN OF THE AMERICAN MATHEMATICAL SOCIETY
AND
CAROLINE EUSTIS SEELY

WASHINGTON
GOVERNMENT PRINTING OFFICE
1918

BULLETIN OF THE BUREAU OF EDUCATION.

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*No. 2. Reorganization of English in secondary schools. A report of the Commission on Secondary Education. James F. Hosic. 20 cts.
*No. 3. Pine-needle basketry in schools. William C. A. Hammel. 5 cts.
No. 4. Secondary agricultural schools in Russia. W. S. Jesien.
*No. 5. Report of an inquiry into the administration and support of the Colorado school system. Katherine M. Cook and A. C. Monahan. 10 cts.
No. 6. Educative and economic possibilities of school-directed home gardening in Richmond, Ind. J. L. Randall.
No. 7. Monthly record of current educational publications, February, 1917.
No. 8. Current practice in city school administration. W. S. Deffenbaugh.
No. 9. Department-store education. Helen R. Norton.
No. 10. Development of arithmetic as a school subject. W. S. Monroe.
No. 11. Higher technical education in foreign countries. A. T. Smith and W. S. Jesien.
No. 12. Monthly record of current educational publications, March, 1917.
No. 13. Monthly record of current educational publications, April, 1917.
*No. 14. A graphic survey of book publication, 1890–1916. F. E. Woodward. 5 cts.
No. 15. Studies in higher education in Ireland and Wales. George E. MacLean.
No. 16. Studies in higher education in England and Scotland. George E. MacLean.
No. 17. Accredited higher institutions. S. P. Capen.
*No. 18. History of public-school education in Delaware. S. B. Weeks. 20 cts.
*No. 19. Report of a survey of the University of Nevada. 25 cts.
No. 20. Work of school children during out-of-school hours. C. D. Jarvis.
No. 21. Monthly record of current educational publications, May, 1917.
No. 22. Money value of education. A. C. Ellis.
*No. 23. Three short courses in home making. Carrie A. Lyford. 15 cts.
No. 24. Monthly record of current educational publications—Index, February, 1916, to January, 1917.
No. 25. Military training of youths of school age in foreign countries. W. S. Jesien.
No. 26. Garden clubs in the schools of Englewood, N. J. Charles O. Smith.
No. 27. Training of teachers of mathematics for secondary schools. R. C. Archibald.
No. 28. Monthly record of current educational publications, June, 1917.
No. 29. Practice teaching for secondary school-teachers. A. R. Mead.
No. 30. School extension statistics, 1915–16. Clarence A. Perry.
No. 31. Rural-teacher preparation in county training schools and high schools. H. W. Foght.
No. 32. Work of the Bureau of Education for the natives of Alaska, 1915–16.
No. 33. A comparison of the salaries of rural and urban superintendents of schools. A. C. Monahan and C. H. Dye.

(Continued on page 3 of cover.)

DEPARTMENT OF THE INTERIOR
BUREAU OF EDUCATION

BULLETIN, 1918, No. 9

UNION LIST

OF

MATHEMATICAL PERIODICALS

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DAVID EUGENE SMITH
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WASHINGTON
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1918

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UNION LIST OF MATHEMATICAL PERIODICALS.

INTRODUCTION.

The following list of mathematical periodicals has been prepared for the use of research students in mathematics in the universities of the United States. It is not intended to be a complete list of all publications of this kind; indeed, such a catalogue, while very desirable from the bibliographical and historical standpoint, would not ordinarily serve the purposes of the graduate student in mathematics as well as a brief list of this nature. The selection has been made after consultation with a number of professors in those universities that have most to do with directing research work in mathematics in this country, and it represents the periodicals which, in the judgment of these advisers, the student will be most apt to consult in his investigations. The less frequently used journals should also, at some time, be listed, but this is a labor that should be undertaken with a view to compiling a complete bibliography of the subject.

The present list is divided into two parts. In the first part those periodicals appear which relate solely to mathematics, whether they are issued in the form of journals or of publications of scientific societies. The second part includes those periodicals which contain mathematical articles which the student will probably wish to consult, but which are not wholly concerned with such articles.

The index permits the student to refer at once to each list and also to find with ease the periodical for which he is looking under any one of various names by which it is known, or under the place of its publication.

The selection of libraries has been somewhat arbitrary. Those universities known to have large collections of works on mathematics have, of course, been included. Other universities which are undertaking graduate work leading to the doctor's degree and have a considerable number of sets of periodicals have also been included, but with the evident understanding that the list is by no means complete and that any scientific selection would be very difficult. Certain city libraries have naturally found place, but here again it is difficult to draw a line between those which might properly have place and those which might not. In general, the purpose has not been so much to include one library and not another as to include a fair number of prominent libraries geographically located at points accessible to students.

It is hoped that the list may render more convenient such loans as the rules of various libraries may permit, may give to students easy access to important periodicals that they may need to consult, and may assist all libraries intended for research students in mathematics in selecting the periodicals that such students need most frequently to use.

Students are advised to consult the list of periodicals in the library of the American Mathematical Society for certain current journals not frequently used and not found in enough libraries to make the inclusion of more than two or three in this union list of any particular value.

In general, the names of places are given with the local spellings and also with the spellings adopted in the publications of the United States Government.

LIBRARIES REPORTING.

[The catch word referring to each library is given in italics.]

Adelbert College, Western Reserve University, Cleveland, Ohio. *Adelbert.*
American Mathematical Society, 501 West 116th St., New York City. *Am. Math. Soc.*
American Philosophical Society, 104 South Fifth St., Philadelphia,Pa. *Am. Phil. Soc.*
Boston Athenaeum, Boston, Mass. *Boston Athen.*
Brooklyn Public Library, Brooklyn, N. Y. *Brooklyn Pub.*
Brown University, Providence, R. I. *Brown.*
Bryn Mawr College, Bryn Mawr, Pa. *Bryn Mawr.*
Bureau of Standards, United States, Washington, D. C. *Bureau Standards.*
California, University of, Berkeley, Cal. *Calif.*
Case School of Applied Science, Cleveland, Ohio. *Case.*
Catholic University of America, Washington, D. C. *Catholic.*
Chicago, The University of, Chicago, Ill. *Chicago.*
Clark University, Worcester, Mass. *Clark.*
Coast and Geodetic Survey, United States, Washington, D. C. *Coast Geodetic.*
Columbia University, New York City. *Columbia.*
Congressional Library, Washington, D. C. *Congress.*
Cornell University, Ithaca, N. Y. *Cornell.*
Crerar. The John Crerar Library, Chicago, Ill. *Crerar.*
Dudley Observatory, Albany, N. Y. *Dudley.*
Harvard University, Cambridge, Mass. *Harvard.*
Haverford College, Haverford, Pa. *Haverford.*
Idaho, University of, Moscow, Idaho. *Idaho.*
Illinois, University of, Urbana, Ill. *Ill.*
Indiana, University of, Bloomington, Ind. *Indiana.*
Iowa, University of, Iowa City, Iowa. *Iowa.*
Johns Hopkins University, Baltimore, Md. *Johns Hopkins.*
Kansas, University of, Lawrence, Kan. *Kansas.*
Massachusetts Institute of Technology, Cambridge, Mass. *Mass. Tech.*
Michigan, University of, Ann Arbor, Mich. *Mich.*
Minnesota, University of, Minneapolis, Minn. *Minn.*
Missouri, University of, Columbia, Mo. *Mo.*
Naval Academy, United States, Annapolis, Md. *Naval Ac.*
Nebraska, University of, Lincoln, Neb. *Neb.*

New York Public Library, New York City. *N. Y. Pub.*
Northwestern University, Evanston, Ill. *Northwestern.*
Pennsylvania, University of, Philadelphia, Pa. *Pa.*
Philadelphia Free Library, Philadelphia, Pa. *Phila. Pub.*
Princeton University, Princeton, N. J. *Princeton.*
Purdue University, Lafayette, Ind. *Purdue.*
Rochester, University of, Rochester, N. Y. *Rochester.*
Throop College, Pasadena, Cal. *Throop.*
Stanford University, Stanford University, Cal. *Stanford.*
Syracuse University, Syracuse, N. Y. *Syracuse.*
Texas, University of, Austin, Texas. *Texas.*
Vassar College, Poughkeepsie, N. Y. *Vassar.*
Virginia, University of, University, Va. *Virginia.*
Washington, University of, Seattle, Wash. *Wash.*
Washington University, St. Louis, Mo. *Wash. (St. Louis).*
Wesleyan University, Middletown, Conn. *Wesleyan.*
Wisconsin, University of, Madison, Wis. *Wis.*
Yale University, New Haven, Conn. (Includes library of Sheffield Scientific School and that of the Mathematics Seminar.) *Yale*
Yerkes Observatory, Geneva Lake, Wis. *Yerkes.*

GEOGRAPHICAL DISTRIBUTION OF LIBRARIES.

[The catchword referring to the library is given in Italics.]

Albany, N. Y. *Dudley.*
Ann Arbor, Mich. *Mich.*
Annapolis, Md. *Naval Ac.*
Austin, Texas. *Texas.*
Baltimore, Md. *Johns Hopkins.*
Berkeley, Cal. *Calif.*
Bloomington, Ind. *Indiana.*
Boston, Mass. *Boston Athen.* (*See also* Cambridge.)
Brooklyn, N. Y. *Brooklyn Pub.*
Bryn Mawr, Pa. *Bryn Mawr.*
California. *See* Berkeley, Pasadena, Stanford University.
Cambridge, Mass. *Harvard, Mass. Tech.*
Champaign, Ill. *See* Urbana.
Chicago, Ill. *Chicago, Crerar.*
Cleveland, Ohio. *Adelbert, Case.*
Columbia, Mo. *Mo.*
Connecticut. *See* Middletown, New Haven.
District of Columbia. *See* Washington, D. C.
Evanston, Ill. *Northwestern.*
Geneva Lake, Wis. *Yerkes.*
Haverford, Pa. *Haverford.*
Idaho. *See* Moscow.
Illinois. *See* Chicago, Evanston, Urbana.
Indiana. *See* Bloomington, Lafayette.
Iowa. *See* Iowa City.
Iowa City, Iowa. *Iowa.*
Ithaca, N. Y. *Cornell.*
Kansas. *See* Lawrence.

Lafayette, Ind. *Purdue.*
Lawrence, Kan. *Kansas.*
Lincoln, Neb. *Neb.*
Madison, Wis. *Wis.*
Maryland. *See* Annapolis, Baltimore.
Massachusetts. *See* Boston, Cambridge, Worcester.
Michigan. *See* Ann Arbor.
Middletown, Conn. *Wesleyan.*
Minneapolis, Minn. *Minn.*
Minnesota. *See* Minneapolis.
Missouri. *See* Columbia, St. Louis.
Moscow, Idaho. *Idaho.*
Nebraska. *See* Lincoln.
New Haven, Conn. *Yale.* (Includes Sheffield Sci. Sch. and the Math. Seminar.)
New Jersey. *See* Princeton.
New York City. *Am. Math. Soc., Columbia, N. Y. Pub.*
New York (State). *See* Albany, Brooklyn, Ithaca, New York City, Poughkeepsie, Rochester, Syracuse.
Ohio. *See* Cleveland.
Palo Alto, Cal. *See* Stanford University.
Pasadena, Cal. *Throop.*
Pennsylvania. *See* Bryn Mawr, Haverford, Philadelphia.
Philadelphia, Pa. *Am. Phil. Soc., Pa., Phila. Pub.*
Poughkeepsie, N. Y. *Vassar.*
Princeton, N. J. *Princeton.*
Providence, R. I. *Brown.*
Rhode Island. *See* Providence.
Rochester, N. Y. *Rochester.*
St. Louis, Mo. *Wash. (St. Louis.)*
Seattle, Wash. *Wash.*
Stanford University, Cal. *Stanford.*
Syracuse, N. Y. *Syracuse.*
Texas. *See* Austin.
University, Va. *Virginia.*
Urbana, Ill. *Ill.*
Virginia. *See* University.
Washington, D. C. *Bureau Standards, Catholic, Coast Geodetic, Congress.*
Washington (State). *See* Seattle.
Wisconsin. *See* Geneva Lake, Madison.
Worcester, Mass. *Clark.*

I. MATHEMATICAL PERIODICALS.

(For a complete list with cross references, see the Index.)

Acta Mathematica.
American Journal of Mathematics.
American Mathematical Monthly.
Analyst.
Annali di Matematica Pura ed Applicata.
Annals of Mathematics.
Archivo de Matemáticas.
Bibliotheca Mathematica.
Bollettino di Bibliografia e Storia delle Scienze Matematiche. (Loria.)

Bollettino di Matematica. (Conti.)
Bulletin des Sciences Mathématiques. (Darboux.)
Calcutta Mathematical Society. Bulletin.
Cambridge and Dublin Mathematical Journal.
Cambridge Mathematical Journal.
Crelle's Journal für die Reine und Angewandte Mathematik.
Deutsche Mathematiker-Vereinigung. Jahresbericht.
——— Jahresbericht, Ergänzungsbände.
Edinburgh Mathematical Society. Proceedings.
L'Education Mathématique.
L'Enseignement Mathématique.
Formulaire de Mathématique.
Gazeta Matematica.
Gentleman's Diary or Mathematical Repository.
Gentleman's Mathematical Companion.
Gergonne's Annales de Mathématiques Pures et Appliquées.
Giornale di Matematiche. (Battaglini.)
Göttingen. Mathematischer Verein. Berichte.
Hamburg. Mathematische Gesellschaft. Mitteilungen.
Indian Mathematical Society. Journal.
L'Intermédiaire des Mathématiciens.
Jahrbuch über die Fortschritte der Mathematik.
Journal de Mathématiques Elémentaires. (Vuibert.)
Kharkov Mathematical Society. Communications.
Ladies' Diary.
Lady's and Gentleman's Diary.
Liouville's Journal de Mathématiques Pures et Appliquées.
London Mathematical Society. Proceedings.
Madras. *See* Indian Mathematical Society.
Madrid. Sociedad Matemática Española. Revista.
Magyar Tudományos Akademia. Ertekezések a Mathematikai Osztaly Köreböl.
Le Matematiche Pure ed Applicate.
Mathematical Gazette.
Mathematical Magazine.
Mathematical Miscellany.
Mathematical Monthly. (Runkle.)
Mathematical Questions and Solutions from the "Educational Times."
Mathematical Repository. (Dodson, Leybourn.)
Mathematiceskij Zistok.
The Mathematician.
The Mathematics Teacher.
Mathematische Annalen.
Mathesis.
Messenger of Mathematics.
Moscow Mathematical Society. Transactions. (Matematischeski Sbornik.)
New York. American Mathematical Society. Bulletin.
——— ——— Transactions.
New York Mathematical Society. Bulletin.
Nieuw Archief voor Wiskunde.
Nouvelle Correspondance Mathématique.
Nouvelles Annales de Mathématiques.
Nyt Tidsskrift for Mathematik.
Palermo. Circolo Matematico. Rendiconti.
——— Rendiconti, Supplemento.

Paris. Société Mathématique de France. Bulletin.
——— ——— Comptes Rendus des Séances.
Periodico di Matematica.
——— Supplemento.
Philadelphia. University of Pennsylvania. Publications: Mathematics.
Il Pitagora.
El Progreso Matematico.
Quarterly Journal of Pure and Applied Mathematics.
Repertorium der literarischen Arbeiten aus dem Gebiete der Reinen und Angewandten Mathematik.
Revista Trimestral di Matemáticas.
Revue de Mathématiques. (Rivista di Matematica.)
Revue de Mathématiques Spéciales.
Revue Semestrielle des Publications Mathématiques.
Sphinx-Œdipe.
Tôhoku Mathematical Journal.
Wiadomosci Matematyczne.
Wiskundige Opgaven met de Oplossingen.
Wiskundig Tijdschrift.

ACTA MATHEMATICA. *Stockholm.*

Vols. 1 (1882–83)—

Adelbert. Vols. 40—
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Amer. Phil. Soc. Vols. 1—
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ARCHIVO DE MATEMÁTICAS. *Valencia* and *Madrid.*

Vols. 1–2 (1896–1897).

Amer. Math. Soc. Vols. 1–2.
Johns Hopkins. Vols. 1–2.

BIBLIOTHECA MATHEMATICA. *Leipzig* and *Stockholm*.

Ser. 1, Vols. 1–3 (1884–1886); Ser. 2, Vols. 1–13 (1887–1899); Ser 3, Vols. 1 (1900)—

Amer. Math. Soc. Ser. 1, Vol. 3; Ser. 2; Ser. 3, Vols. 1—
Brown. Ser. 3, Vols. 12—
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No. 9. Union list of mathematical periodicals. David E. Smith.
No. 10. Public-school classes for crippled children. Edith R. Solenberger.
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